

The Invention Claimed Is:

1. A bracket of integral construction for connecting a structural member to a structural element and for stabilizing the structural member against movement when connected thereto, said bracket comprising, in combination:

    a bracket base defining a bracket base opening for receiving the structural element and including a bracket base surface for bearing against the structural member at a first location on the structural member;

    a first connector portion extending away from said bracket base in a first direction and defining an aperture for interconnecting the first connector portion to a first stabilizing cable under tension;

    a second connector portion extending away from said bracket base in a second direction and defining an aperture for interconnecting the second connector portion to a second stabilizing cable under tension; and

    a first bearing element connected to said bracket base and including a first bearing element surface for bearing against the structural member at a second location on the structural member, said first bearing element surface being angularly disposed relative to said bracket base surface and for transferring force from said bracket to the structural member when bearing against the structural member to prevent relative

rotational movement between the bracket and the structural member.

2. The bracket according to Claim 1 wherein said bracket additionally comprises a second bearing element connected to said bracket base and spaced from said first bearing element, said second bearing element having a second bearing element surface for bearing against the structural member at a third location on the structural member, said second bearing member surface being angularly disposed relative to said bracket base surface and for transferring a force from said bracket to the structural member when bearing against the structural member to prevent relative rotational movement between the bracket and the structural member.

3. The bracket according to Claim 1 wherein said structural element comprises a hanger rod and wherein said bracket base comprises a plate having a plurality of plate edges, said bracket base opening comprising a slot open at one of the edges and extending inwardly therefrom, said slot enabling the bracket to be slid in place on the hanger rod from a side of the hanger rod.

4. The bracket according to Claim 1 wherein said bracket base comprises a double-sided plate, one of the sides of said plate comprising said bracket base surface for bearing against the structural member and the other of the sides of the

plate engageable by a washer disposed above said plate.

5. The bracket according to Claim 2 wherein said first and second connector portions comprise connector plates integrally attached directly to opposed side edges of said bracket base and extending outwardly therefrom.

6. The bracket according to Claim 2 wherein said first and second connector portions comprise connector plates respectively integrally attached directly to said first and second bearing elements and extending outwardly therefrom.

7. The bracket according to Claim 4 additionally comprising at least one washer abutment member projecting upwardly from the other of said sides for engagement by the washer to prevent rotation of the washer relative to said bracket.

8. The bracket according to Claim 2 wherein said structural element comprises a hanger rod, said bracket for connecting a structural member comprising a channel member having two side channel member walls, a bottom channel member wall and inturned lips at tops of the side channel member walls defining an elongated opening communicating with the interior of the channel member to the hanger rod and for stabilizing the channel member against movement when connected to the hanger rod, said bracket base surface sized and configured to contact the channel member inturned lips and said first and second bearing elements

sized and configured to simultaneously engage the two side channel member walls.

9. The bracket according to Claim 1 wherein said structural element comprises a hanger rod, said bracket for connecting a structural member comprising a channel member having two side channel member walls, a bottom channel member wall and inturned lips at tops of the side channel member walls defining an elongated opening communicating with the interior of the channel member to the hanger rod and for stabilizing the channel member against movement when connected to the hanger rod, said bracket base surface sized and configured to contact the channel member inturned lips and said first bearing element sized and configured to project into the interior of the channel member through said elongated opening and bear against said channel member inturned lips when said bracket base surface contacts the channel member inturned lips.

10. The bracket according to Claim 2 wherein said structural element comprises a hanger rod, said bracket for connecting a structural member comprising a channel member having two side channel member walls, a bottom channel member wall and inturned lips at the tops of the side channel member walls defining an elongated opening communicating with the interior of the channel member to the hanger rod and for stabilizing the channel member against movement when connected to the hanger rod,

said bracket base surface sized and configured for contacting the bottom channel member wall and said first and second bearing elements sized and configured for engaging the two side channel member walls.

11. In combination:

a structural element;

a structural member; and

a bracket of integral construction connecting said structural member to said structural element and stabilizing the structural member against movement, said bracket comprising, in combination:

a bracket base defining a bracket base opening receiving the structural element and including a bracket base surface bearing against the structural member at a first location on the structural member;

a first connector portion extending away from said bracket base in a first direction and defining an aperture for interconnecting the first connector portion to a first stabilizing cable under tension;

a second connector portion extending away from said bracket base in a second direction and defining an aperture for interconnecting the second connector portion to a second stabilizing cable under tension; and

a first bearing element connected to said bracket base and including a first bearing element surface bearing against the structural member at a second location on the structural member, said first bearing element surface being angularly disposed relative to said bracket base surface and for transferring force from said bracket to the structural member to prevent relative rotation between said bracket and the structural member.

12. The combination according to Claim 11 wherein said bracket additionally comprises a second bearing element connected to said bracket base and spaced from said first bearing element, said second bearing element having a second bearing element surface bearing against the structural member at a third location on the structural member, said second bearing member surface being angularly disposed relative to said bracket base surface and for transferring a force from said bracket to the structural member to prevent relative rotation between the bracket and the structural member.

13. The combination according to Claim 11 wherein said structural element comprises a hanger rod and wherein said bracket base comprises a plate having a plurality of plate edges, said bracket base opening comprising a slot open at one of the edges and extending inwardly therefrom, said slot enabling the bracket to be slid in place on the hanger rod from a side of the hanger rod.

14. The combination according to Claim 11 wherein said bracket base comprises a double-sided plate, one of the sides of said plate comprising said bracket base surface bearing against the structural member and the other of the sides of the plate engaging a washer disposed above said plate.

15. The combination according to Claim 12 wherein said first and second connector portions comprise connector plates integrally attached directly to opposed side edges of said bracket base and extending outwardly therefrom.

16. The combination according to Claim 12 wherein said first and second connector portions comprise connector plates respectively integrally attached directly to said first and second bearing elements and extending outwardly therefrom.

17. The combination according to Claim 14 wherein said bracket additionally comprises at least one washer abutment member projecting upwardly from the other of said sides engaging the washer to prevent rotation of the washer relative to said bracket.

18. The combination according to Claim 12 wherein said structural element comprises a hanger rod and wherein said structural member comprises a channel member having two side channel member walls, a bottom channel member wall and inturned lips at tops of the side channel member walls defining an elongated opening communicating with the interior of the channel

member, said bracket base surface contacting the channel member inturned lips and said first and second bearing elements engaging the two side channel member walls.

19. The combination according to Claim 11 wherein said structural element comprises a hanger rod and wherein said structural member comprises a channel member having two side channel member walls, a bottom channel member wall and inturned lips at tops of the side channel walls defining an elongated opening communicating with the interior of the channel member, said bracket base surface contacting the channel member inturned lips and said first bearing element projecting into the interior of the channel member through said elongated opening and bearing against said channel member inturned lips.

20. The combination according to Claim 12 wherein said structural element comprises a hanger rod and wherein said structural member comprises a channel member having two side channel member walls, a bottom channel member wall and inturned lips at the tops of the side channel member walls defining an elongated opening communicating with the interior of the channel member, said bracket base surface contacting the bottom channel member wall and said first and second bearing elements engaging the two side channel member walls.

21. A bracket of integral construction for connecting a structural member to a structural element and for stabilizing the

structural member against movement when connected thereto, said bracket comprising, in combination:

    a bracket base defining a bracket base opening for receiving the structural element and including a bracket base surface for bearing against the structural member at a first location on the structural member;

    a connector portion extending away from said bracket base in a predetermined direction and defining an aperture for interconnecting the connector portion to a structural stabilizing element; and

    a bearing element connected to said bracket base and including a bearing element surface for bearing against the structural member at a second location on the structural member, said bearing element surface being angularly disposed relative to said bracket base surface and for transferring force from said bracket to the structural member when bearing against the structural member to prevent relative rotational movement between the bracket and the structural member resulting from forces exerted on the bracket by said structural stabilizing element.

22. In combination:

    a structural element;

    a structural member; and

    a bracket of integral construction connecting said structural member to said structural element and stabilizing the

structural member against movement, said bracket comprising, in combination:

    a bracket base defining a bracket base opening receiving the structural element and including a bracket base surface bearing against the structural member at a first location on the structural member;

    a connector portion extending away from said bracket base in a predetermined direction and defining an aperture for interconnecting the connector portion to a structural stabilizing element; and

    a bearing element connected to said bracket base and including a bearing element surface bearing against the structural member at a second location on the structural member, said bearing element surface being angularly disposed relative to said bracket base surface and for transferring force from said bracket to the structural member to prevent relative rotation between said bracket and the structural member resulting from forces exerted on the bracket by said structural stabilizing element.